

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/002864

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 B21F 27/00**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 B21F 27/00, E04B 1/18, 1/32, E04H 12/00, 12/18

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
KOREAN PATENTS AND APPLICATIONS FOR INVENTION SINCE 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
KIPONET

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,505,035 A (LALVANI) 9 APR 1996 See the whole document	1-16
A	US 5,265,395 A (LALVANI) 30 NOV 1993 See the whole document	1-16
A	US 4,667,451 A (ONODA) 26 MAY 1987 See the whole document	1-16
A	US 4,539,786 A (NELSON) 10 SEP 1985 See the whole document	1-16
A	JP 1996-219379 A (DESIGN SCI) 30 AUG 1996 See the whole document	1-16

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

22 FEBRUARY 2005 (22.02.2005)

Date of mailing of the international search report

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/002864

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5,505,035 A	9 APR 1996	NONE	
US 5,265,395 A	30 NOV 1993	NONE	
US 4,667,451 A	26 MAY 1987	JP 1994-15783 B4 EP 0210776 B1 DE 3678221 C0	2 MAR 1994 20 MAR 1991 25 APR 1991
US 4,539,786 A	10 SEP 1985	NONE	
JP 1996-219379 A	30 AUG. 1996	NONE	